

1. Creating table Login

SQL> connect system

Enter password:

Connected.

SQL> create table login (id int primary key, username varchar(20) not null, password varchar(20) not null, privilege varchar(20) not null);

Table created.

SQL> insert into login values(&id, '&username', '&password', '&privilege');

Enter value for id: 1

Enter value for username: Priyanshu

Enter value for password: 12345

Enter value for privilege: Admin

old 1: insert into login values(&id, '&username', '&password', '&privilege')

new 1: insert into login values(1, 'Priyanshu', '12345', 'Admin')

1 row created.

SQL> /

Enter value for id: 2

Enter value for username: Nitin

Enter value for password: 12345

Enter value for privilege: Admin

old 1: insert into login values(&id, '&username', '&password', '&privilege')

new 1: insert into login values(2, 'Nitin ', '12345', 'Admin')

1 row created.

SQL> /

Enter value for id: 3

Enter value for username: Saaransh

Enter value for password: 12345

Enter value for privilege: Student

old 1: insert into login values(&id, '&username', '&password', '&privilege')

new 1: insert into login values(3, 'Saaransh', '12345', 'Student')

1 row created.

SQL> /

Enter value for id: 4

Enter value for username: Sumit
Enter value for password: 12345
Enter value for privilege: Student
old 1: insert into login values(&id, '&username', '&password', '&privilege')
new 1: insert into login values(4, 'Sumit', '12345', 'Student')

1 row created.

SQL> /
Enter value for id: 5
Enter value for username: Abhijeet
Enter value for password: 12345
Enter value for privilege: Student
old 1: insert into login values(&id, '&username', '&password', '&privilege')
new 1: insert into login values(5, 'Abhijeet', '12345', 'Student')

1 row created.

SQL> /
Enter value for id: 6
Enter value for username: Akshat
Enter value for password: 12345
Enter value for privilege: Student
old 1: insert into login values(&id, '&username', '&password', '&privilege')
new 1: insert into login values(6, 'Akshat', '12345', 'Student')

1 row created.

SQL> /
Enter value for id: 7
Enter value for username: Sidhu
Enter value for password: 12345
Enter value for privilege: Faculty
old 1: insert into login values(&id, '&username', '&password', '&privilege')
new 1: insert into login values(7, 'Sidhu', '12345', 'Faculty')

1 row created.

SQL> /
Enter value for id: 8
Enter value for username: Sanchit
Enter value for password: 12345
Enter value for privilege: Faculty
old 1: insert into login values(&id, '&username', '&password', '&privilege')

new 1: insert into login values(8, 'Sanchit', '12345', 'Faculty')

1 row created.

SQL> select * from login;

ID	USERNAME	PASSWORD	PRIVILEGE
1	Priyanshu	12345	Admin
2	Nitin	12345	Admin
3	Saaransh	12345	Student
4	Sumit	12345	Student
5	Abhijeet	12345	Student
6	Akshat	12345	Student
7	Sidhu	12345	Faculty
8	Sanchit	12345	Faculty

8 rows selected.

2. create table book_details

SQL> create table book_details (id int references login(id), title varchar(20) not null , author varchar(20) not null, year_of_publishing varchar(20) not null);

Table created.

SQL> drop table book_details;

Table dropped.

SQL> create table book_details (id int references login(id),bookid int primary key , title varchar(20) not null , author varchar(20) not null, year_of_publishing varchar(20) not null);

Table created.

SQL> insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing');

Enter value for id: 1

Enter value for bookid: 101

Enter value for title: Java For Dummies

Enter value for author: Paul J. Deitel

Enter value for year_of_publishing: 1999-12-10

old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')

```
new 1: insert into book_details values(1 , 101 , 'Java For Dummies', 'Paul J. Deitel', '1999-12-10')
```

1 row created.

```
SQL> alter table book_details modify title varchar(50);
```

Table altered.

```
SQL> insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing');
```

Enter value for id: 2

Enter value for bookid: 102

Enter value for title: Java: The Complete Reference

Enter value for author: Herbert Schildt

Enter value for year_of_publishing: 2011-10-10

```
old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')
```

```
new 1: insert into book_details values(2 , 102 , 'Java: The Complete Reference', 'Herbert Schildt', '2011-10-10')
```

1 row created.

```
SQL> /
```

Enter value for id: 2

Enter value for bookid: 103

Enter value for title: Let Us C

Enter value for author: Yashavant Kanetkar

Enter value for year_of_publishing: 2010-12-11

```
old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')
```

```
new 1: insert into book_details values(2 , 103 , 'Let Us C', 'Yashavant Kanetkar', '2010-12-11')
```

1 row created.

```
SQL> /
```

Enter value for id: 5

Enter value for bookid: 104

Enter value for title: Let Us C++

Enter value for author: Yashavant Kanetkar

Enter value for year_of_publishing: 2010-05-12

```
old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')
```

```
new 1: insert into book_details values(5 , 104 , 'Let Us C++', 'Yashavant Kanetkar', '2010-05-12')
```

1 row created.

SQL> /

Enter value for id: 6

Enter value for bookid: 105

Enter value for title: Harry Potter 4

Enter value for author: J.K Rowling

Enter value for year_of_publishing: 2005-12-03

old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')

new 1: insert into book_details values(6 , 105 , 'Harry Potter 4', 'J.K Rowling', '2005-12-03')

1 row created.

SQL> /

Enter value for id: 4

Enter value for bookid: 106

Enter value for title: Witcher

Enter value for author: Priyanshu Saklani

Enter value for year_of_publishing: 2010-11-09

old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')

new 1: insert into book_details values(4 , 106 , 'Witcher ', 'Priyanshu Saklani', '2010-11-09')

1 row created.

SQL>

SQL> /

Enter value for id: 7

Enter value for bookid: 107

Enter value for title: Batman

Enter value for author: Bob Kane

Enter value for year_of_publishing: 1997-06-05

old 1: insert into book_details values(&id , &bookid , '&title', '&author', '&year_of_publishing')

new 1: insert into book_details values(7 , 107 , 'Batman', 'Bob Kane', '1997-06-05')

1 row created.

SQL> select * from book_details;

ID	BOOKID	TITLE	AUTHOR	YEAR_OF_PUBLISHING
1	101	Java For Dummies	Paul J. Deitel	1999-12-10

2 102 Java: The Complete Reference
Herbert Schildt 2011-10-10

2 103 Let Us C
Yashavant Kanetkar 2010-12-11

ID	BOOKID	TITLE

AUTHOR	YEAR_OF_PUBLISHING	

5	104	Let Us C++
Yashavant Kanetkar 2010-05-12		
6	105	Harry Potter 4
J.K Rowling 2005-12-03		
4	106	Witcher
Priyanshu Saklani 2010-11-09		

ID	BOOKID	TITLE

AUTHOR	YEAR_OF_PUBLISHING	

7	107	Batman
Bob Kane 1997-06-05		

7 rows selected.

SQL> commit;

Commit complete.

SQL> create table book_issue(id int references login(id), bookid int references
book_details(bookid), issue_date varchar(20) not null , return_date varchar(20));

Table created.

SQL> insert into book_issue values(&id ,&bookid,'&issue_date', '&return_date');
Enter value for id: 1
Enter value for bookid: 101

Enter value for issue_date: 2020-01-01
Enter value for return_date: 2020-02-03
old 1: insert into book_issue values(&id ,&bookid,&issue_date', '&return_date')
new 1: insert into book_issue values(1 ,101,'2020-01-01', '2020-02-03')

1 row created.

SQL> /
Enter value for id: 2
Enter value for bookid: 102
Enter value for issue_date: 2020-02-03
Enter value for return_date: 2020-02-04
old 1: insert into book_issue values(&id ,&bookid,&issue_date', '&return_date')
new 1: insert into book_issue values(2 ,102,'2020-02-03', '2020-02-04')

1 row created.

SQL> /
Enter value for id: 5
Enter value for bookid: 104
Enter value for issue_date: 2020-05-06
Enter value for return_date: 2020-05-07
old 1: insert into book_issue values(&id ,&bookid,&issue_date', '&return_date')
new 1: insert into book_issue values(5 ,104,'2020-05-06', '2020-05-07')

1 row created.

SQL> /
Enter value for id: 6
Enter value for bookid: 105
Enter value for issue_date: 2020-03-06
Enter value for return_date: 2020-04-12
old 1: insert into book_issue values(&id ,&bookid,&issue_date', '&return_date')
new 1: insert into book_issue values(6 ,105,'2020-03-06', '2020-04-12')

1 row created.

SQL> /
Enter value for id: 7
Enter value for bookid: 107
Enter value for issue_date: 2020-06-06
Enter value for return_date: 2020-07-07
old 1: insert into book_issue values(&id ,&bookid,&issue_date', '&return_date')
new 1: insert into book_issue values(7 ,107,'2020-06-06', '2020-07-07')

1 row created.

SQL> select * from book_issue;

ID	BOOKID	ISSUE_DATE	RETURN_DATE
1	101	2020-01-01	2020-02-03
2	102	2020-02-03	2020-02-04
5	104	2020-05-06	2020-05-07
6	105	2020-03-06	2020-04-12
7	107	2020-06-06	2020-07-07

SQL>